SHEET 1 OF 1 INFORMATION DISCLOSURE ATTY. DOCKET NO. SERIAL NO. 57810-092 10/807,161 CITATION IN AN APPLICATION APPLICANT Masayuki SHONO, et al. **GROUP FILING DATE** (PTO-1449) March 24, 2004 2811 **U.S. PATENT DOCUMENTS EXAMINER'S Document Number** Publication Date Name of Patentee or Applicant of Cited Pages, Columns, Lines, Where MM-DD-YYYY INITIALS Document Relevant Passages or Relevant CITE Number-Kind Code2 (# known) Figures Appear 5,535,230 US 7/9/1996 Abe Correspondence to JP 07-282609 US ŪŠ us FOREIGN PATENT DOCUMENTS **EXAMINER'S** Foreign Patent Document **Publication Date** Name of Patentee or Pages, Columns, Lines Translation INITIALS Applicant of Cited Document Where Relevant Country Codes -Number 4 -Kind Codes (if known) CITE MM-DD-YYYY Figures Appear NO Yes No JP 07-282609 10/27/1995 TSUZUKI SHOGO Correspondence to w/English U.S. 5,535,230 **Abstract** JP 5-1598 1/14/1993 TOYODA GOSEI CO., LTD. YES 11/24/1987 JP 62-184585 TAKIRON CO., LTD. YES OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) **EXAMINER'S** Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, INITIALS journal, serial, symposium, catalog, etc.), date, page(s), volume-Issue number(s), publisher, city and/or country where CITE \*Proposal of 2-D Photonic Crystal Light Emitting Diode with Surface Grating, \* September 2001, page 791, (in Japanese) "Highly Directive Light Sources using Two-dimensional Photonic Crystal Slabs", Applied Physics Letters, December 2001, Vol. 79, No. 26, pp. 4280-4282 "Strongly Directional Emission from AlGaAs/GaAs Light-Emitting Diodes" Applied Physics Letters, November 1990, Vol. 57, IM No. 22, pp. 2327-2329 EXAMINER DATE CONSIDERED

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